### **CONSTRUCTION EQUIPMENT** VOLVO A40G 352352 - DIESEL ENGINE **RA46**



#### Sample No: VCP435135

VOLVO

**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 **RA46** 

Job No:

#### SAMPLE INFORMATION VCP435135 Sample Number Sample Date 16 Nov 2023 Machine Hours 4970 Oil Hours 500 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 12.4 Base Number (BN) mg KOH/g 8.2 Oxidation (PA) 82 % CONTAMINATION NEG % Water

Soot %	%	0.4	 	
Nitration (PA)	%	73	 	
Sulfation (PA)	%	62	 	
Glycol	%	NEG	 	
Fuel	%	0.5	 	
Silicon	ppm	6	 	
Sodium	ppm	3	 	
Potassium	ppm	0	 	

# VEAD METALS

Iron	ppm	11	 	
Copper	ppm	2	 	
Lead	ppm	0	 	
Tin	ppm	<b></b> <1	 	
Aluminum	ppm	<b>11</b>	 	
Chromium	ppm		 	
Molybdenum	ppm	<b>40</b>	 	
Nickel	ppm	<b>4</b>	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	<b></b> <1	 	
Vanadium	ppm	<1	 	

ADDITIVES							
Calcium	ppm	<b>1659</b>					
Magnesium	ppm	<b>493</b>					
Zinc	ppm	<b>1049</b>					
Phosphorus	ppm	867					
Barium	ppm	0					
Boron	ppm	25					



### HOUSBY HEAVY EQUIPMENT, LLC

4410 SE 4 MILE DR ANKENY, IA US 50021 Contact: RANDY VANDERLEEST rvanderleest@housby.com T: F: (515)964-2865

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VOLVO0080 Unique No: 10752984 Signed: Wes Davis Report Date: 24 Nov 2023

Report Id: VOLVO0080 [WUSCAR] 06013840 (Generated: 11/24/2023 11:29:40) Rev: 1

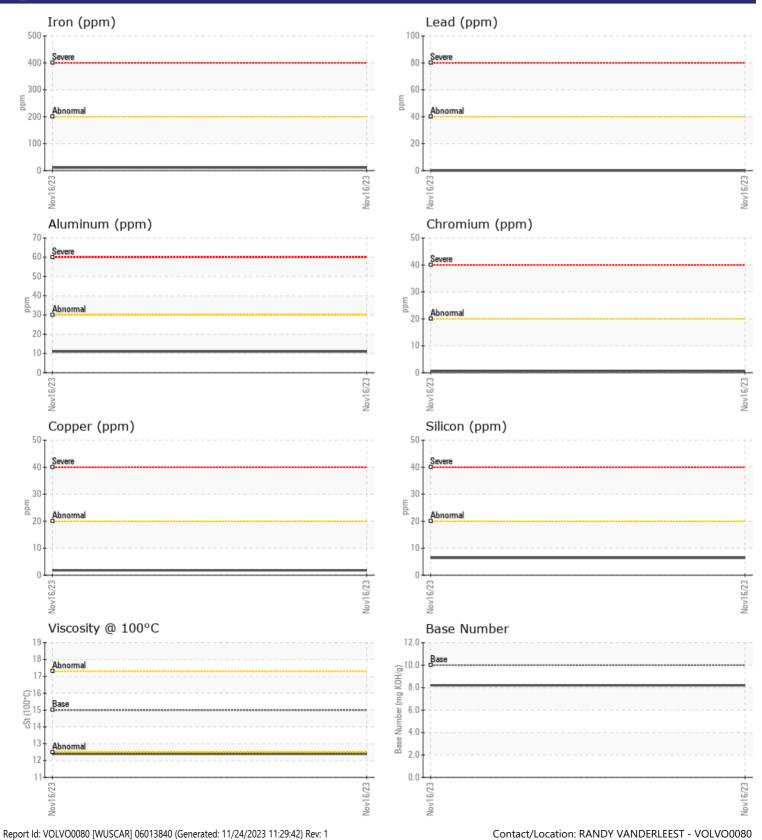
Contact/Location: RANDY VANDERLEEST - VOLVO0080

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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